

## ABSTRACT OF THE DISCLOSURE

A dedicated liquid level detection method having a sensor positioned into the casing of a groundwater well. The detector is in the form of an elongated thin film sensor tape that extends along the full length of the well casing which detects the level, thickness and volume of both groundwater and any light or dense non-aqueous phase liquid that may be present. This is accomplished through the use of a conductive and hydrostatic resistive circuit measuring the level of liquids in a groundwater well at one hundredths of foot resolution or greater. Once the elongated sensor is installed, liquid levels can be gauged from the surface. The data is stored using a battery operated hand held digital display temporarily connected at the top well section casing. Since a sensor probe is not lowered into the well, cross contamination between wells is eliminated.